PTO/SB/08A (05-03)
Approved for use through 05/31/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

| onder the rapelwork Resocution Act of 1993, no persons are required to respond to a collection of information unless it displays a valid OMB control number |   |    |          |                       |                           |  |
|---|---|----|----------|-----------------------|---------------------------|--|
| Substitute for form 1449A/PTO   |   |    |          | Compl te if Known     |                           |  |
| <u> </u>  |   |    |          | Application Number    | <del>789-</del> 10/689294 |  |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT   |   |    |          | Filing Date           | Herewith                  |  |
|   |   |    |          | First Named Inventor  | Tu, et al.                |  |
|   |   |    |          | Art Unit              | <del>100</del> 2826       |  |
| (use as many sheets as necessary)   |   |    | cessary) | Examiner Name         | TOO Kevin Quinto          |  |
| Sheet   | 1 | of | 1        | Attomey Docket Number | TSM03-0426                |  |

|           |              |  | U.S. PATENT              | DOCUMENTS  |   |
|-----------|--------------|--|--------------------------|--|---|
| Examiner  | Cite<br>No.1 | Document Number  | Publication Date         | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
| initials* |              | Number - Kind Code <sup>2 (Fknown)</sup><br>US-8,051,462 A | MM-DD-YYYY<br>04-18-2000 |  |   |
| KO        |              |  |                          | Ohno   |   |
|           | 2            | US-8,281,540 B1  | 08-28-2001               | Aoki   |   |
|           | 3            | US-6,399,399 B2  | 06-04-2002               | Yamamoto   |   |
|           | 4            | US-6,399,495 B1  | 06-04-2002               | Tseng, et al.                                      |   |
|           | 5            | US-6,455,368 B2  | 09-24-2002               | Aoki   |   |
|           | 6            | US-6,528,366 B1  | 03-04-2003               | Tu, et al.   |   |
| V         | 7            | US-6,579,755 B2  | 06-17-2003               | Kim, et al.  |   |
| KO        | 8            | US-6,620,685 B2  | 09-16-2003               | Oh   |   |
|           |              | US-  |                          |  |   |

| FOREIGN PATENT DOCUMENTS |              |   |                  |                             |   |          |
|--------------------------|--------------|---|------------------|-----------------------------|---|----------|
| S                        |              | Foreign Patent Document   | Publication Date | Name of Patentee or         | Pages, Columns, Lines,                                | Т        |
| Examiner<br>Initials*    | Cite<br>No.1 | Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>3</sup> (if known) | MM-DD-YYYY       | Applicant of Cited Document | Where Relevant Passages<br>or Relevant Figures Appear | T⁰       |
|                          | <del> </del> |   |                  |                             |   |          |
|                          | ├            |   |                  |                             |   |          |
|                          | <del> </del> |   |                  |                             |   | ╁        |
|                          |              |   |                  |                             |   | $\vdash$ |
|                          |              |   |                  |                             |   | 1        |

| OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS |              |   |    |  |
|---|--------------|---|----|--|
| Examiner<br>Initials*                             | Cite,<br>No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | τ² |  |
| KQ  | 9            | LIU, et al., Single Mask Metal-Insulator-Metal (MIM) Capacitor with Copper Damascene Metallization for Sub-0.18µm Mixed Mode Signal and System-on-a-Chip (SoC) Applications, 2000, Lucent Technologies Bell Laboratories, Murray Hill, NJ, US.                  |    |  |
| KQ  | 10           | ISHIKAWA, et al., High-Capacitance Cu/Ta₂O₅/Cu MIM Structure for SoC Applications Featuring a Single-Mask Add-on Process, 2002, Central Research Laboratory, Kokubunji, Tokyo, Japan.   |    |  |

| Examiner<br>Signature | /Kevin Quinto/ | Date<br>Considered | 05/04/2006 |
|-----------------------|----------------|--------------------|------------|
|                       |                | Collabored         | 00,00,000  |

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not In conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.